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Cc: Taylor Mauldin[taylor@visitnorman.com]; Nathalie Daoust
<ndaoust@cec.org>[ndaoust@cec.org]; Hong, Nadtya[Hong.Nadtya@epa.gov]
From: Hyland, Patrick T.
Sent: Fri 2/2/2018 2:15:52 PM
Subject: Re: Update on CEC Council Session with Administrator Pruitt

Fantastic new, Luis! The proposed schedule sounds great, and we look forward to hosting the delegation, ministers, and secretariat during their visit!

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From: Troche, Luis <Troche.Luis@epa.gov>
Sent: Friday, February 2, 2018 7:35:52 AM
To: Smith, Brandt K.; Hyland, Patrick T.
Cc: Taylor Mauldin; Nathalie Daoust <ndaoust@cec.org>; Hong, Nadtya
Subject: Update on CEC Council Session with Administrator Pruitt

Good Morning Brandt and Patrick,

The US, Mexico, and Canada leaders are excited about the proposed activities at the National Weather Center and the Innovation Hub at OU. There are a couple of important changes:

-- the proposed events would now be in the morning of the 27. Please advise of this works for your organizations (we hope it does)

-- there is also a consideration for a short intervention by the Lab at the Council Session in OKC that afternoon

Below is the description and timing for the programs at the NWC and Lab. Please take a look and let me know if we are on track. We can have a conference call in March to start

nailing down finer details but I would appreciate your feedback now on the timing and description.

Thanks for working with us on this.

Wednesday 27 June 2018

8:00 - 8:30 am Transportation of Ministers and delegations (only) to University of Oklahoma, Norman

8:30 - 9:45 am U.S. National Weather Center at University of Oklahoma

Participants: Ministers, Delegations, Secretariat

Press: TBD

National Weather Center Tour and Briefings:

The objective of this visit is to showcase federal, state and academic partnerships and innovation, and:

- **Explore technology and science on weather**
- **How weather impacts sustainability, resilience, growth**
- **How the weather centers' technology and science is relevant to the CEC projects**
- **Opportunities for US-Canada-Mexico collaboration**

The National Weather Center (<http://www.ou.edu/nwc/>) is a one-of-a-kind facility that houses a unique confederation of The University of Oklahoma, National Oceanic and Atmospheric Administration (NOAA), and state organizations that work together in partnership to improve understanding of events occurring in Earth's atmosphere over a wide range of time and space scales. Please see attachment 1 for list of organizations that may participate in this event.

Program:

- **8:30 – 8:50 am Welcome and Introduction to the NWC and University Research Campus and CEC**
- **8:50 – 9:30 am Ministers' VIP tour or private meeting with NWC Leadership (Ministers + 3, format TBC)**

- **8:50 – 9:30 am** Delegation split in two groups for tour/browse NWC and visit tenant booths
- **9:30 – 9:45 am** Closing remarks, Administrator Pruitt, Ministers McKenna & Pacchiano
- **9:45 am** - Depart for OU Innovation Hub-Fabrication Lab

Tours will visit the Observation Deck to discuss the history of the National Weather Center and the development and growth of University Research Campus, as well as the forecast operations areas for the NOAA National Weather Service Oklahoma City/Norman Weather Forecast Office and the NOAA NWS Storm Prediction Center to discuss operational meteorology. Through the NWC tours and the opportunity to showcase the various tenants of the National Weather Center, the objective is to address the following topics of interest to CEC:

- **Weather impacts to crops, pollinators, agriculture, aquaculture/fisheries and economy**
- **Habitats and Migration**
- **Monarch butterflies and pollinators**
- **Weather impacts to transport of trade or stocking of supply chains**
- **Reducing emissions with ocean vessels (geo carb mission, North America and Amazon)**
- **Air quality impacts**
- **Food loss and waste on entire chain (production and consumption)**
- **Weather prediction and tracking capabilities and the ability to protect or harden infrastructure to maintain environmental protection, productivity, outputs or sustainability of coastal cities**
- **Extreme heat impacts on health (working with National Institute of Health) and urban heat island and canyons research**

9:45 – 10:00 am Movement to Fab Lab & Break

10:00 – 11:15 am Fabrication Lab @ University of Oklahoma

Participants: Ministers, Delegations, Secretariat

Press: TBD

The University of Oklahoma Innovation Hub/Fabrication Lab Program provides capabilities relevant to Innovation-Partnerships-Youth-Entrepreneurship and showcases how creative investment by Universities advances youth engagement and innovation. The objective of this visit is to showcase the value of these partnerships and capabilities by engaging the Youth Innovation Challenge winners and Ministers/Delegation in an exercise with the Lab's team to explore how to:

- **Enhance their winning innovative concepts and design**
- **Fabricate prototypes as relevant**
- **Strategize on market and finance for the concepts**
- **And showcase the value of these labs and partnerships in advancing innovation**

Fab Lab Program:

- **10:00 – 10:05 am - Welcome to the Innovation Hub**
- **Tom Wavering, Executive Director, OU Innovation Hub (possibly Dean of Price College as well)**
 - **What the lab does**
 - **Experience and successes**
- **10:05 – 10:30 am From YIC to Fab Lab Challenge**
- **Administrator Pruitt (or Secretariat Executive Director) describes the CEC YIC and introduces the winners (5 minutes)**
- **Each winner presents their idea in five minutes (15 minutes total)**
- **Fabrication Lab Director explains the Fab Lab Challenge and invites the YIC winners, Ministers, and delegation to split in three groups to participate Fab Lab Challenge**
- **10:30 – 11:05 pm Lab Challenge**

Use Lab space/resources for the delegation to split into three challenge groups, allowing each winner to consult with delegates, invited researchers, and interested students and guests to gather insights on feasibility, market viability, and the science of their ideas. Each Minister could join the consultation group representing their Country's winner.

The Lab team plans to have projects prepared in each of the hub spaces: virtual reality, code lab, and the fabrication lab, all related to the theme of the projects the winners have developed. This provides an opportunity for delegates to experience the resources available in the Innovation Hub.

- **11:05 am – 11:15 am** Report out and Closing Remarks
- **Each winner gets 2 minutes to highlight what they learned and valued about the lab, collaboration, innovation, and advice for their projects to advance innovation and green growth**
- **Ministers McKenna and Pacchiano share their impressions**
- **Administrator Pruitt closing remarks**

11:15 - 12:00 pm Transportation to Renaissance Hotel

Luis Troche

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